

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
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FEE RECORD SHEET

09/11/2000 Date of filing of the application

Applicant	Applicant's address
Inventor	Inventor's address
Attorney	Attorney's address
Agent	Agent's address

PTO-1556  
(5/87)

\*U.S. GPO: 1999-459-082/19144

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PTO/SB/05 (1/98)  
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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	GR1-2790-U
	First Inventor or Application Identifier	MATHUR, Vijay
	Title	MULTI-PHASE CALCIUM SILICATE HYDRATES, METHODS FOR THEIR PREPARATION, AND IMPROVED PAPER AND PIGMENT PRODUCTS, et al.
	Express Mail Label No.	EK389892070US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
<p>1. <input type="checkbox"/> *Please charge the fees indicated on the attached fee transmittal and credit overpayments or charge any and all fees due throughout the pendency of this application to Deposit Account No. 07-1613.</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <b>78</b>] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R &amp; D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>22</b>]</p> <p>4. Oath or Declaration [Total Pages <b>5</b>] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below] i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</p> <p>5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies</p>	
<b>ACCOMPANYING APPLICATION PARTS</b> 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) * Small Entity 14. <input checked="" type="checkbox"/> Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input checked="" type="checkbox"/> Other: <b>Appendix 1 - 3 pages</b> * A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon.	
<p>17. If a <b>CONTINUING APPLICATION</b>, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: _____ Prior application information: Examiner _____ Group / Art Unit: _____</p>	

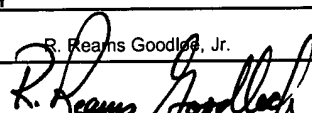
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Signature	R. Reams Goodloe, Jr.		32,466
			Date
			08/26/2000

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<h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">for FY 2000</h3> <p style="text-align: center;"><i>Patent fees are subject to annual revision</i> Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 CFR Sec. 1.27 and 1.28.</p>		<b>Complete if Known</b>	
		Application Number	Not assigned
		Filing Date	August <del>26</del> 2000
		First Named Inventor	Mathur, Vijay K.
		Examiner Name	Not assigned
		Group / Art Unit	Not assigned
TOTAL AMOUNT OF PAYMENT (\$)		676. <sup>00</sup>	
		Attorney Docket No.	GR1-2790-U

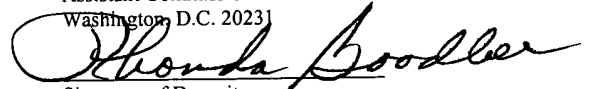
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102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																																																																																																																																																																																																																																																																															
104	260	204	130	Multiple dependent claim, if not paid																																																																																																																																																																																																																																																																																																																																																																																																																																															
109	78	209	39	** Reissue independent claims over original patent																																																																																																																																																																																																																																																																																																																																																																																																																																															
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																																																																																																																																																																															
SUBTOTAL (2)			(\$)	331																																																																																																																																																																																																																																																																																																																																																																																																																																															
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																																																																																																																																																																																
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																																																																																																																																																																																																																															
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																																																																																																																																																																																																																																																																															
139	130	139	130	Non-English specification																																																																																																																																																																																																																																																																																																																																																																																																																																															
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																																																																																																																																																																															
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																																																																																																																																																																																																																															
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																																																																																																																																																																															
115	110	215	55	Extension for reply within first month																																																																																																																																																																																																																																																																																																																																																																																																																																															
116	380	216	190	Extension for reply within second month																																																																																																																																																																																																																																																																																																																																																																																																																																															
117	870	217	435	Extension for reply within third month																																																																																																																																																																																																																																																																																																																																																																																																																																															
118	1,360	218	680	Extension for reply within fourth month																																																																																																																																																																																																																																																																																																																																																																																																																																															
128	1,850	228	925	Extension for reply within fifth month																																																																																																																																																																																																																																																																																																																																																																																																																																															
119	300	219	150	Notice of Appeal																																																																																																																																																																																																																																																																																																																																																																																																																																															
120	300	220	150	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																																																																																																																																																																															
121	260	221	130	Request for oral hearing																																																																																																																																																																																																																																																																																																																																																																																																																																															
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																																																																																																																																																																															
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																																																																																																																																																																															
141	1,210	241	605	Petition to revive - unintentional																																																																																																																																																																																																																																																																																																																																																																																																																																															
142	1,210	242	605	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																																																																																																																																																																															
143	430	243	215	Design issue fee																																																																																																																																																																																																																																																																																																																																																																																																																																															
144	580	244	290	Plant issue fee																																																																																																																																																																																																																																																																																																																																																																																																																																															
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																																																																																																																																																															
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																																																																																																																																																																															
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																																																																																																																																																															
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																																																																																																																																																																															
146	760	246	345	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																																																																																																																																																															
149	760	249	345	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																																																																																																																																																															
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<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Typed or Printed Name	R. Reams Goodloe, Jr.	Reg. Number	32,466
Signature		Date	08/26/2000
		Deposit Account User ID	4035

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. EXPRESS MAIL LABEL NO.: EK389892070US

**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below in an envelope as "Express Mail Post Office to Addressee" mailing Label Number EK389892070US addressed to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

  
Signature of Depositor

Rhonda Goodloe  
Print Name of Depositor

Date: August 26, 2000

**IN THE UNITED STATES**

**PATENT AND TRADEMARK OFFICE**

Attention: Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application  
of:

Inventor(s): MATHUR, Vijay K.

For: (Title): MULTI-PHASE CALCIUM SILICATE HYDRATES, METHODS  
FOR THEIR PREPARATION, AND IMPROVED PAPER AND PIGMENT  
PRODUCTS PRODUCED THEREWITH

**1. Type of Application**

This new application is for a(n)

- ☒ Original (nonprovisional)
- ☐ Design
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-In-Part (CIP)

2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121).

- ☒ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

70 Pages of specification

7 Pages of claims

22 Sheets of formal drawings (Figs. 1-39)

B. Other Papers Enclosed

5 Pages of declaration and power of attorney

1 Pages of abstract

X Other (Return Receipt Postcard); 7 pages of Abstract

4. Additional papers enclosed

- ☐ Preliminary Amendment  
☐ Information Disclosure Statement (37 C.F.R. § 1.98)  
☐ Form PTO-1449  
☐ Citations

5. Declaration or Oath (including Power of Attorney)

- ☒ Enclosed  
Executed by the inventors  
☐ Not enclosed

6. Inventorship Statement

The inventorship for all the claims in this application are:

- ☐ The same  
☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,

- ☐ is submitted.  
☐ will be submitted.

7. Language

☒ English

8. Assignment

☐ An assignment of the invention to  
 G.R. INTERNATIONAL, INC.

- ☐ is attached. Form PTO 1595 is also attached.  
☐ will follow.

9. Certified Copy

Certified copy(ies) of application(s):

Country	Appln. No.	Filed
Country	Appln. No.	Filed

from which priority is claimed

- ☐ is (are) attached.  
☐ will follow.

10. Fee Calculation (37 C.F.R. § 1.16)

A. ☒ Regular Application

CLAIMS AS FILED			
Number Filed	Number Extra	Rate	Basic Fee 37 CFR. § 1.16 (a) \$690.00
Total Claims (37 CFR § 1.16c)) <u>38</u> - 20 =	<u>18</u>	X \$18.00	\$ <u>324.<sup>00</sup></u>
Independent Claims (37 CFR § 1.16b)) <u>4</u> - 3 =	<u>1</u>	X \$78.00	\$ <u>78.<sup>00</sup></u>
Multiple dependent claims (37 CFR § 1.16)) <u>✓</u>		+ \$260.00	\$ <u>260.<sup>00</sup></u>

1352

- ☐ Amendment canceling extra claims is enclosed.  
☐ Amendment deleting multiple-dependencies is enclosed.  
☐ Fee for extra claims not being paid at this time.

009980-ET6980

FILING FEE CALCULATION: \$ 1352.<sup>00</sup>

- B. ☐ Design application  
(\$310.00 - 37 C.F.R. § 1.16(f))  
FILING FEE CALCULATION: \$ \_\_\_\_\_

11. Small Entity Statement(s)

- ☒ Statement(s) that this is a filing by a small entity under 37 C.F.R. § 1.9 and 1.27 is (are) attached.
- ☐ Status as a small entity was claimed in prior application \_\_\_\_/\_\_\_\_, filed on \_\_\_\_\_ from which benefit is being claimed for this application under:
- 35 U.S.C. § ☐ 119 (e),  
☐ 120,  
☐ 121  
☐ 365 (c),  
and which status as a small entity is still proper and desired.
- ☐ A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B, or C above).

\$ 676.<sup>00</sup>

12. Fee Payment Being Made At This Time

- ☐ Not enclosed.  
☐ No filing fee is to be paid at this time.
- ☒ Enclosed

☒ Filing Fee: \$ 676.<sup>00</sup>  
☐ Recording Assignment  
(\$40.00; 37 C.F.R. § 1.21 (h)) \$ \_\_\_\_\_

TOTAL FEES ENCLOSED: \$ \_\_\_\_\_

13. Method of Payment of Fees

- ☒ Check in the amount of \$ \_\_\_\_\_  
☐ Charge Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
A duplicate of this transmittal is attached.

14. Authorization to Charge Additional Fees

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No.: 07-1613.

- ☒ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)  
☒ 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)  
☒ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)  
☒ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).  
☒ 37 C.F.R. § 1.17 (application processing fees)  
☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b)).

15. Instructions as to Overpayment

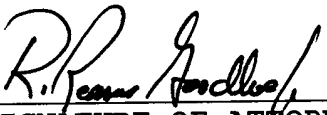
- ☒ Credit Account No.: 07-1613.

Date: August 26, 2000

Phone: 253-859-9128

Fax: 253-859-8915

Customer  
No.: 20793

  
\_\_\_\_\_  
SIGNATURE OF ATTORNEY

R. Reams Goodloe, Jr.  
Reg. No. 32,466

Suite 3  
10725 - S.E. 256<sup>th</sup> Street  
Kent, Washington  
98031-6426



☒ **Incorporation by reference of added pages**

- ☐ Plus Added Pages for New Application Transmittal  
Where Benefit of Prior U.S. Application(s) Claimed

Number of pages added: 3

- ☐ Plus Added Pages for Papers Referred to in Item 4  
above.

Number of pages added: \_\_\_\_\_

- ☐ Plus added pages deleting names of inventor(s)  
named in prior application(s) who is/are no longer  
inventor(s) of the subject matter claimed in this  
application.

Number of pages added: \_\_\_\_\_

☐ **Statement Where No Further Pages Added**

- ☐ This transmittal ends with this page.

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF  
PRIOR U.S. APPLICATION CLAIMED

16. Relate Back

☒ Amend the application by inserting, before the  
first line, the following sentence:

A. 35 USC § 119(e)

☒ "This application claims the benefit of U.S.  
Provisional Application(s) No(s).:

Application No.: 60/150,862 Filed: August 26, 1999

B. 35 USC §§ 120, 121 and 365(c)

- ☐ "This application is a
- ☐ continuation
  - ☐ continuation-in-part
  - ☐ divisional

of copending application(s)

- ☐ application number \_\_\_\_/\_\_\_\_ filed  
on \_\_\_\_.
- ☐ International Application \_\_\_\_  
filed on \_\_\_\_ and which  
designated the U.S."
- ☐ "The nonprovisional application designated above,  
namely application \_\_\_\_/\_\_\_\_, filed  
\_\_\_\_ claims the benefit of U.S. Provisional  
Application(s) No.(s).:

Application No.: \_\_\_\_/\_\_\_\_ Filed: \_\_\_\_

17. Relate Back - 35 USC § 119 Priority Claim for Prior  
Application

The prior U.S. application(s), including any prior  
International Application designating the U.S., identified  
above in item 16B, in turn itself claim(s) foreign  
priority(ies) as follows:

Country

Application No.

Filed on

The certified copy(ies) has (have)

- ☐ been filed on \_\_\_\_\_, in prior application  
\_\_\_\_\_/\_\_\_\_\_, which was filed on \_\_\_\_\_.
- ☐ is (are) attached.

**18. Maintenance of Copendency of Prior Application**

- A. ☐ Extension of time in prior application  
☐ A petition, fee and response extends the term in the pending prior application until \_\_\_\_\_.
- ☐ A copy of the petition filed in prior application is attached.
- B. ☐ Conditional Petition for Extension of Time in Prior Application  
☐ A conditional petition for extension of time is being filed in the pending prior application.
- ☐ A copy of the conditional petition filed in the prior application is attached.

**19. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed**

- (a) ☐ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are:
- ☐ the same.
  - ☐ less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:
- 
- (b) ☒ This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are:
- ☒ the same.
  - ☐ the following additional inventor(s) have been added:
-

- (c) ☒ The inventorship for all the claims in this application are:
- ☒ the same.
- ☐ not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made
- ☐ is submitted
- ☐ will be submitted.

**20. Abandonment of Prior Application**

- ☐ Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

**21. Small Entity (37 CFR § 1.28(a))**

- ☒ Applicant has established small entity status by the filing of a statement in parent application
- ☐ A copy of the statement previously filed is included.

**22. NOTIFICATION IN PARENT APPLICATION OF THIS FILING**

- ☐ A notification of the filing of this
- ☐ continuation
- ☐ continuation-in-part
- ☐ divisional

is being filed in the parent application, from which this application claims priority under 35 USC § 120.